

09/928420

Plus
Search

09928420_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned

From A Search of 09928420 on April 12, 2004

- 5 455/333 (0 OR, 5 XR)
Class 455 : TELECOMMUNICATIONS
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER
455/313 .Frequency modifying or conversion
455/323 ..Particular frequency conversion structure or
circuitry
455/333 ...Transistor or integrated circuit
- 4 331/117D (1 OR, 3 XR)
Class 331 : OSCILLATORS
331/107R SOLID STATE ACTIVE ELEMENT OSCILLATOR
331/108R .Transistors
331/117R ...L-C type
331/117D ...Distributed parameter resonator transistor
oscillators
- 4 348/731 (0 OR, 4 XR)
Class 348 : TELEVISION
348/725 RECEIVER CIRCUITRY
348/731 .Tuning
- 4 455/325 (0 OR, 4 XR)
Class 455 : TELECOMMUNICATIONS
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER
455/313 .Frequency modifying or conversion
455/323 ..Particular frequency conversion structure or
circuitry
455/325 ...Including distributed electrical parameter
structure
- 4 725/68 (3 OR, 1 XR)
Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS
725/63 SATELLITE VIDEO DISTRIBUTION SYSTEM
725/68 .Receiver
- 3 327/105 (2 OR, 1 XR)
Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR
DEVICES, CIRCUITS, AND SYSTEMS
327/100 SIGNAL CONVERTING, SHAPING, OR GENERATING
327/105 .Synthesizer

09928420_CLSTITLES

- 3 327/113 (1 OR, 2 XR)
 Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR
 DEVICES, CIRCUITS, AND SYSTEMS
 327/100 SIGNAL CONVERTING, SHAPING, OR GENERATING
 327/113 .Frequency or repetition rate conversion or
 control

- 3 327/355 (1 OR, 2 XR)
 Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR
 DEVICES, CIRCUITS, AND SYSTEMS
 327/334 SPECIFIC INPUT TO OUTPUT FUNCTION
 327/355 .Combining of plural signals

- 3 331/117FE (0 OR, 3 XR)
 Class 331 : OSCILLATORS
 331/107R SOLID STATE ACTIVE ELEMENT OSCILLATOR
 331/108R .Transistors
 331/117R ..L-C type
 331/117FE ...Field-effect transistor active element

- 3 331/99 (2 OR, 1 XR)
 Class 331 : OSCILLATORS
 331/96 WITH DISTRIBUTED PARAMETER RESONATOR
 331/99 .Parallel wire type

- 3 333/104 (1 OR, 2 XR)
 Class 333 : WAVE TRANSMISSION LINES AND NETWORKS
 333/1 PLURAL CHANNEL SYSTEMS
 333/100 .Having branched circuits
 333/101 ..Including switching means
 333/103 ...Having semiconductor operating means
 333/104Using TEM lines

- 3 375/316 (2 OR, 1 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/316 RECEIVERS

- 3 455/131 (1 OR, 2 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/131 .Frequency conversion between signal source
 (e.g., wave collector) and receiver

- 3 455/314 (1 OR, 2 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER

09928420_CLSTITLES

- 455/313 .Frequency modifying or conversion
- 455/314 ..Plural separate successive conversions

- 3 455/318 (1 OR, 2 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/313 .Frequency modifying or conversion
 - 455/318 ..With specified local oscillator structure or coupling

- 3 455/323 (0 OR, 3 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/313 .Frequency modifying or conversion
 - 455/323 ..Particular frequency conversion structure or circuitry

- 3 455/327 (1 OR, 2 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/313 .Frequency modifying or conversion
 - 455/323 ..Particular frequency conversion structure or circuitry
 - 455/325 ...Including distributed electrical parameter structure
 - 455/326With balanced mixer
 - 455/327Stripline

- 3 701/213 (1 OR, 2 XR)
 - Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
 - 701/200 NAVIGATION
 - 701/207 .Employing position determining equipment
 - 701/213 ..Using Global Positioning System (GPS)

- 2 315/219 (2 OR, 0 XR)
 - Class 315 : ELECTRIC LAMP AND DISCHARGE DEVICES: SYSTEMS
 - 315/209R PERIODIC SWITCH IN THE SUPPLY CIRCUIT
 - 315/219 .Periodic switch in the primary circuit of the supply transformer

- 2 315/DIG 7 (0 OR, 2 XR)
 - Class 315 : ELECTRIC LAMP AND DISCHARGE DEVICES: SYSTEMS

09928420_CLSTITLES
315/DIG 7 Starting and control circuits for gas discharg
e lamp using transistors

- 2 326/110 (0 OR, 2 XR)
Class 326 : ELECTRONIC DIGITAL LOGIC CIRCUITRY
326/104 FUNCTION OF AND, OR, NAND, NOR, or NOT
326/109 .Bipolar and FET
326/110 ..Bi-CMOS
- 2 326/66 (2 OR, 0 XR)
Class 326 : ELECTRONIC DIGITAL LOGIC CIRCUITRY
326/62 INTERFACE (E.G., CURRENT DRIVE, LEVEL SHIFT,
ETC.)
326/63 .Logic level shifting (i.e., interface between
devices of different logic families)
326/64 ..Bi-CMOS
326/66 ...ECL to/from CMOS
- 2 333/116 (0 OR, 2 XR)
Class 333 : WAVE TRANSMISSION LINES AND NETWORKS
333/1 PLURAL CHANNEL SYSTEMS
333/100 .Having branched circuits
333/109 ..Using directional coupler
333/115 ...Having TEM lines
333/116Using stripline
- 2 333/21R (0 OR, 2 XR)
Class 333 : WAVE TRANSMISSION LINES AND NETWORKS
333/21R WAVE MODE CONVERTERS
- 2 342/357.08 (2 OR, 0 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/350 DIRECTIVE
342/352 .Including a satellite
342/357.01 ..With position indicating
342/357.06 ...Using Global Positioning Satellite (GPS or
Glonass)
342/357.08Determining relative position (e.g.,
distance or direction)
- 2 455/189.1 (1 OR, 1 XR)
Class 455 : TELECOMMUNICATIONS
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER
455/150.1 .Signal selection based on frequency (e.g.,
tuning)

09928420_CLSTITLES

- 455/188.1 ..Band selection
- 455/189.1 ...With plural separate mixer or converter circuits

- 2 455/260 (0 OR, 2 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/230 .Local control of receiver operation
 - 455/255 ..Local oscillator frequency control
 - 455/257 ...Automatic
 - 455/258Utilizing particular local oscillator control
 - 455/259Reference oscillator or source
 - 455/260Phase lock loop or frequency synthesizer

- 2 455/266 (1 OR, 1 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/230 .Local control of receiver operation
 - 455/266 ..Selectivity or bandwidth control

- 2 455/293 (1 OR, 1 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/269 .With wave collector (e.g., antenna)
 - 455/280 ..With coupling to a stage of the receiver
 - 455/293 ...Specified stage (e.g., mixer, amplifier, or demodulator)

- 2 455/313 (0 OR, 2 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/313 .Frequency modifying or conversion

- 2 455/319 (1 OR, 1 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/313 .Frequency modifying or conversion
 - 455/318 ..With specified local oscillator structure or coupling
 - 455/319 ...With particular coupling

09928420_CLSTITLES

- 2 455/330 (0 OR, 2 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/313 .Frequency modifying or conversion
 - 455/323 ..Particular frequency conversion structure or circuitry
 - 455/325 ...Including distributed electrical parameter structure
 - 455/330With nonlinear impedance (e.g., diode)

- 2 455/339 (1 OR, 1 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/334 .With particular receiver circuit
 - 455/338 ..Coupling or decoupling between stages
 - 455/339 ...Band pass filter

- 2 455/340 (0 OR, 2 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/334 .With particular receiver circuit
 - 455/338 ..Coupling or decoupling between stages
 - 455/340 ...Variably tunable or adjustable

- 2 482/8 (0 OR, 2 XR)
 - Class 482 : EXERCISE DEVICES
 - 482/1 HAVING SPECIFIC ELECTRICAL FEATURE
 - 482/8 .Monitors exercise parameter

above 3
 abstract 1
 accompanying 1
 according 1
 achieve 2
 adopted 1
 amplifier 6
 amplifiers 1
 an 4
 and 34
 antenna 1
 apparatus 1
 are 4
 area 5
 as 7
 at 3
 background 1
 be 3
 best 1
 between 4
 bipolar 10
 board 1
 brief 1
 by 3
 can 1
 cause 1
 circuit 16
 circuitof 1
 communication 1
 complete 1
 complexity 1
 complicate 2
 components 4
 connected 2
 conventional 6
 converter 27
 cost 5
 could 1
 couldbeobtainedwithsimplifiedcircuitandat reduced 1
 defective 1
 described 1
 description 3
 desired 1
 detailed 2
 develop 1
 development 1
 diagram 2
 dimensions 1

disadvantages 1
 discarded 1
 disclosure 1
 down 27
 drawbacks 2
 drawings 2
 due 1
 effect 3
 eliminate 1
 embodiments 1
 enable 1
 enables 1
 enabling 1
 enthodiments 1
 existing 1
 fewer 1
 field 2
 fieldeffect 1
 fig 3
 following 2
 for 3
 frequency 3
 from 1
 further 1
 good 1
 goodyieldof 1
 ground 1
 has 1
 have 2
 having 1
 horn 1
 ic 1
 if 3
 ii 1
 in 15
 includes 3
 including 1
 inconvenience 1
 increase 2
 increased 1
 increases 1
 industry 1
 intermediate 2
 invention 7
 inventor 1
 is 15
 it 2
 itisaprimarobjectofthepresentinventiontoprovide 1

junction 10
least 1
less 1
local 6
located 1
low 3
lower 1
makes 1
manufactured 1
manufacturedandsetup 1
manufacturing 4
may 1
means 1
mentioned 1
mesfet 1
method 8
miniaturized 1
mixer 8
more 5
necessary 1
noise 3
not 1
number 2
objects 1
obtained 1
occasions 1
of 35
on 2
oscillating 8
oscillator 6
other 1
output 5
part 1
particularly 1
port 4
preferred 2
present 4
presentinventiontoachievetheaboveandotherobjects 1
process 1
processed 1
processing 2
product 1
production 1
products 1
prosperous 1
provided 2
provides 1
provision 1

quick 1
rate 2
receive 1
received 1
receiver 4
receiving 1
reduced 8
reduction 1
referring 1
relates 1
replace 1
same 3
satellite 17
schematic 2
self 8
separately 1
serially 1
serve 1
set 1
shown 1
shows 1
signal 4
signals 2
simplified 2
simplify 1
so 1
structure 1
structured 1
substitutes 2
such 2
summary 1
technical 1
that 8
the 70
then 1
there 1
therefore 2
thereisanadverseinfluence 1
thereof 2
thismanner 1
through 2
time 1
to 22
transistor 12
transmission 1
transmit 1
transmitted 1
tried 1

09928420_WDS

turn 1
two 1
understood 1
up 1
use 1
used 2
using 5
utilized 1
view 1
wherein 1
which 3
while 1
with 1
would 2
yield 1

09928420_WEST

(5291153 5396132 5444399 5602501 5465418 5754951 5933264 5323064 58723
84 4812772 5006811 4792987 5584064 5014350 5574997 6009304 4803446 546
5057 5343098 5485106 5552644 5867040 5940750 6594477 4797638 4955076 5
345194 5646582 5668558 5801590 6240366 5440587 5724645 6285314 6388613
5355532 5276904 5311149 6031878 4876739 5014349 5204984 5493721 58900
60 5963842 6067328 6353490 5185560 5510681 5760632).pn.

09928420_EAST

(5291153
5396132
5444399
5602501
5465418
5754951
5933264
5323064
5872384
4812772
5006811
4792987
5584064
5014350
5574997
6009304
4803446
5465057
5343098
5485106
5552644
5867040
5940750
6594477
4797638
4955076
5345194
5646582
5668558
5801590
6240366
5440587
5724645
6285314
6388613
5355532
5276904
5311149
6031878
4876739
5014349
5204984
5493721
5890060
5963842
6067328
6353490
5185560

09928420_EAST

5510681
5760632) .pn.

09928420_CLS

Most Frequently Occurring Classifications of Patents Returned
From A Search of 09928420 on April 12, 2004

Original Classifications

3 725/68
2 315/219
2 326/66
2 327/105
2 331/99
2 342/357.08
2 375/316

Cross-Reference Classifications

5 455/333
4 348/731
4 455/325
3 331/117D
3 331/117FE
3 455/323
2 315/DIG 7
2 326/110
2 327/113
2 327/355
2 333/104
2 333/116
2 333/21R
2 455/131
2 455/260
2 455/313
2 455/314
2 455/318
2 455/327
2 455/330
2 455/340
2 482/8
2 701/213

Combined Classifications

5 455/333
4 331/117D
4 348/731
4 455/325
4 725/68
3 327/105
3 327/113
3 327/355
3 331/117FE

09928420_CLS

3 331/99
3 333/104
3 375/316
3 455/131
3 455/314
3 455/318
3 455/323
3 455/327
3 701/213
2 315/219
2 315/DIG 7
2 326/110
2 326/66
2 333/116
2 333/21R
2 342/357.08
2 455/189.1
2 455/260
2 455/266
2 455/293
2 455/313
2 455/319
2 455/330
2 455/339
2 455/340
2 482/8

09928420 LIST

PLUS Search Results for S/N 09928420, Searched April 12, 2004

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

5291153
5396132
5444399
5602501
5465418
5754951
5933264
5323064
5872384
4812772
5006811
4792987
5584064
5014350
5574997
6009304
4803446
5465057
5343098
5485106
5552644
5867040
5940750
6594477
4797638
4955076
5345194
5646582
5668558
5801590
6240366
5440587
5724645
6285314
6388613
5355532
5276904

09928420_LIST

5311149
6031878
4876739
5014349
5204984
5493721
5890060
5963842
6067328
6353490
5185560
5510681
5760632

09928420_QUAL

5291153 84
5396132 84
5444399 84
5602501 84
5465418 82
5754951 82
5933264 77
5323064 76
5872384 76
4812772 75
5006811 75
4792987 75
5584064 75
5014350 74
5574997 74
6009304 74
4803446 70
5465057 68
5343098 68
5485106 68
5552644 68
5867040 68
5940750 68
6594477 68
4797638 67
4955076 67
5345194 67
5646582 67
5668558 67
5801590 67
6240366 67
5440587 67
5724645 67
6285314 67
6388613 67
5355532 67
5276904 67
5311149 67
6031878 67
4876739 67
5014349 67
5204984 67
5493721 67
5890060 67
5963842 67
6067328 67
6353490 67
5185560 67

09928420_QUAL

5510681 67
5760632 66